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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER M1071.1965 <b>10/578322</b>
INTERNATIONAL APPLICATION NO. PCT/JP2004/015394	INTERNATIONAL FILING DATE 19 October 2004	PRIORITY DATE CLAIMED 5 November 2003
TITLE OF INVENTION OSCILLATOR AND RADAR APPARATUS USING THE SAME		
APPLICANT(S) FOR DO/EO/US Takatoshi Kato et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))</p> <p style="margin-left: 20px;">a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p style="margin-left: 20px;">a. <input checked="" type="checkbox"/> is attached hereto.</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p style="margin-left: 20px;">d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p>		

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U.S. APPLICATION NO. <b>10/578322</b> INTERNATIONAL APPLICATION NO. PCT/JP2004/015394	ATTORNEY'S DOCKET NUMBER M1071.1965																				
20. <input checked="" type="checkbox"/> Other items or information: Return Receipt Postcard																					
The following fees have been submitted																					
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) ..... \$300	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 60%;">CALCULATIONS</th> <th style="width: 40%;">PTO USE ONLY</th> </tr> <tr> <td>\$ 300.00</td> <td></td> </tr> </table>	CALCULATIONS	PTO USE ONLY	\$ 300.00																	
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\$ 300.00																					
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0 All other situations ..... \$200	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 200.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 200.00																			
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23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority ..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB ..... \$400 All other situations ..... \$500	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 500.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 500.00																			
\$ 500.00																					
TOTAL OF 21, 22 and 23 = \$ 1,000.00																					
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">Total Sheets</th> <th style="width: 20%;">Extra Sheets</th> <th style="width: 40%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width: 20%;">RATE</th> </tr> <tr> <td>61 - 100 =</td> <td>/50 =</td> <td></td> <td>x \$250.00</td> </tr> </table>	Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	61 - 100 =	/50 =		x \$250.00	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$</td> <td style="width: 40%;"></td> </tr> </table>	\$											
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE																		
61 - 100 =	/50 =		x \$250.00																		
\$																					
Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">CLAIMS</th> <th style="width: 20%;">NUMBER FILED</th> <th style="width: 20%;">NUMBER EXTRA</th> <th style="width: 20%;">RATE</th> <th style="width: 20%;"></th> </tr> <tr> <td>Total claims</td> <td>23 - 20 =</td> <td>3</td> <td>x 50.00</td> <td>150.00</td> </tr> <tr> <td>Independent claims</td> <td>2 - =</td> <td>0</td> <td>x</td> <td>0.00</td> </tr> <tr> <td colspan="4">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+</td> </tr> </table>		CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		Total claims	23 - 20 =	3	x 50.00	150.00	Independent claims	2 - =	0	x	0.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																		
Total claims	23 - 20 =	3	x 50.00	150.00																	
Independent claims	2 - =	0	x	0.00																	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+																	
TOTAL OF ABOVE CALCULATIONS = \$ 1,000.00																					
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.																					
SUBTOTAL = \$ 1,150.00																					
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).																					
TOTAL NATIONAL FEE = \$ 1,150.00																					
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property																					
+ \$ 40.00																					
TOTAL FEES ENCLOSED = \$ 1,190.00																					
Amount to be refunded: \$																					
Amount to be charged: \$																					

10/578322

PTO-1390 (Rev. 07-2005)

Approved for use through 03/31/2007. OMB 0651-0021  
U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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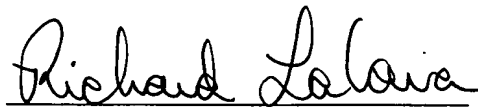
- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2215. A duplicate copy of this sheet is enclosed.
- d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Steven I. Weisburd  
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP  
1177 Avenue of the Americas  
41st Floor  
New York, New York 10036-2714  
(212) 896-5470

CUSTOMER NUMBER: 32172

  
SIGNATURE

Richard LaCava  
NAME

41,135  
REGISTRATION NUMBER

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<b>Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).</b> <h2 style="margin: 0;">FEE TRANSMITTAL</h2> <h3 style="margin: 0;">For FY 2006</h3>		<b>Complete if Known</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	Not Yet Assigned
		Filing Date	Concurrently Herewith
		First Named Inventor	Takatoshi Kato
		Examiner Name	Not Yet Assigned
		Art Unit	N/A
TOTAL AMOUNT OF PAYMENT		(\$)	1190.00
		Attorney Docket No.	M1071.1965

<b>METHOD OF PAYMENT (check all that apply)</b>	
<input type="checkbox"/> Check <input checked="" type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> None <input type="checkbox"/> Other (please identify): _____	
<input type="checkbox"/> Deposit Account    Deposit Account Number: <b>50-2215</b> Deposit Account Name: <b>Dickstein Shapiro Morin &amp; Oshinsky LLP</b>	
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	
<input type="checkbox"/> Charge fee(s) indicated below <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee	
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 <input checked="" type="checkbox"/> Credit any overpayments	

<b>FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)</b>																			
<b>1. BASIC FILING, SEARCH, AND EXAMINATION FEES</b>																			
Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)												
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)													
Utility	300	150	500	250	200	100													
Design	200	100	100	50	130	65													
Plant	200	100	300	150	160	80													
Reissue	300	150	500	250	600	300													
Provisional	200	100	0	0	0	0													
<b>2. EXCESS CLAIM FEES</b>																			
<b>Fee Description</b>							<b>Small Entity Fee (\$)</b>												
Each claim over 20 (including Reissues)							50												
Each independent claim over 3 (including Reissues)							200												
Multiple dependent claims							360												
<table style="width: 100%; border-collapse: collapse;"> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee (\$)</th> <th>Fee Paid (\$)</th> <th colspan="2">Multiple Dependent Claims</th> </tr> <tr> <td>23</td> <td>- 20 = 3</td> <td>x 50.00 =</td> <td>150.00</td> <td>Fee (\$)</td> <td>Fee Paid (\$)</td> </tr> </table>							Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims		23	- 20 = 3	x 50.00 =	150.00	Fee (\$)	Fee Paid (\$)	
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23	- 20 = 3	x 50.00 =	150.00	Fee (\$)	Fee Paid (\$)														
<table style="width: 100%; border-collapse: collapse;"> <tr> <th>Indep. Claims</th> <th>Extra Claims</th> <th>Fee (\$)</th> <th>Fee Paid (\$)</th> </tr> <tr> <td>2</td> <td>- 3 = 0</td> <td>x</td> <td></td> </tr> </table>							Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	2	- 3 = 0	x						
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)																
2	- 3 = 0	x																	
HP = highest number of total claims paid for, if greater than 20. HP = highest number of independent claims paid for, if greater than 3.																			
<b>3. APPLICATION SIZE FEE</b>																			
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).																			
<table style="width: 100%; border-collapse: collapse;"> <tr> <th>Total Sheets</th> <th>Extra Sheets</th> <th>Number of each additional 50 or fraction thereof</th> <th>Fee (\$)</th> <th>Fee Paid (\$)</th> </tr> <tr> <td>61</td> <td>- 100 =</td> <td>/50 (round up to a whole number) x</td> <td></td> <td></td> </tr> </table>								Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)	61	- 100 =	/50 (round up to a whole number) x				
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)															
61	- 100 =	/50 (round up to a whole number) x																	
<b>4. OTHER FEE(S)</b>																			
Non-English Specification, \$130 fee (no small entity discount)																			
Other (e.g., late filing surcharge):																			
1631 Basic National Stage fee							300.00												
1633 National Stage Examination Fee - all other ...							200.00												
1632 National Stage Search Fee - all other situations							500.00												
8021 National Stage recording each patent assignment, ...							40.00												

<b>SUBMITTED BY</b>			
Signature	<i>Richard LaCava</i>	Registration No. (Attorney/Agent)	41,135
Telephone	(212) 896-5484		
Name (Print/Type)	Richard LaCava	Date	May 3, 2006